



# Huawei energy storage fire fighting solution





## Overview

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The system's innovative combined defense mechanism—positive pressure oxygen barrier and directional smoke exhaust duct—effectively vented combustible gases. Manual ignition did not trigger fire or explosion, and the safety issue was automatically resolved. [Shenzhen, China, February 21, 2025] Huawei Digital Power's Smart String & Grid Forming Energy Storage System (ESS) has successfully passed the extreme ignition test, witnessed by customers and DNV, a globally recognized independent organization in assurance and risk management. This test, conducted under the observation of TÜV Rheinland at a key national fire safety. Experts agree that Huawei's successful extreme fire test under the UL 9540A:2025 standard sets a new benchmark for energy storage safety, demonstrating that intrinsic design can effectively contain fire risks without external intervention. It has obtained the highest-level safety certification by TÜV Rheinland Group, ensuring: - Packs remain intact even at high.



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### **Huawei's Energy Storage System Passes Rigorous Fire Safety Test**

Huawei Digital Power has achieved a significant milestone with its Commercial and Industrial Hybrid Cooling Grid Forming Energy Storage System (C& I GFM ESS) successfully passing ...

### [Huawei's Fire Test Sets New Bar for Energy Storage Safety](#)

A new energy storage system just passed an unprecedented fire test, raising safety standards and building trust in the technology powering our future.



### [Huawei C& I GFM ESS Passes Extreme Fire Test](#)

Huawei Digital Power's Commercial and Industrial Hybrid Cooling Grid Forming Energy Storage System (C& I GFM ESS) has successfully passed a stringent extreme ignition test witnessed ...



### **Huawei Energy Storage System Passes 2025 UL Standard Fire Test**

Huawei's C& I energy storage system successfully passed a 2025 UL standard extreme fire test, preventing fire propagation and self-extinguishing, as verified by TUV Rheinland.



### Fire-Free Energy Storage Solutions: Redefining Safety

With frequent ESS fires raising significant safety concerns, Huawei's Smart String Grid-Forming ESS Platform sets a new standard by effectively controlling thermal runaway.



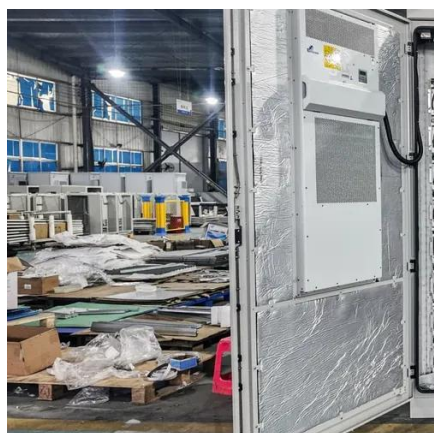
### **Huawei's ESS Platform Becomes the First to Achieve the World's ...**

As a leading enterprise in the PV and energy storage industry, Huawei Digital Power has made a significant breakthrough with the Smart String & Grid Forming ESS Platform that achieves ...



### **Huawei Digital Power's Energy Storage System Passes Rigorous Fire**

Huawei Digital Power has successfully passed a stringent ignition test for its C& I GFM ESS, demonstrating exceptional safety standards in energy storage technology.

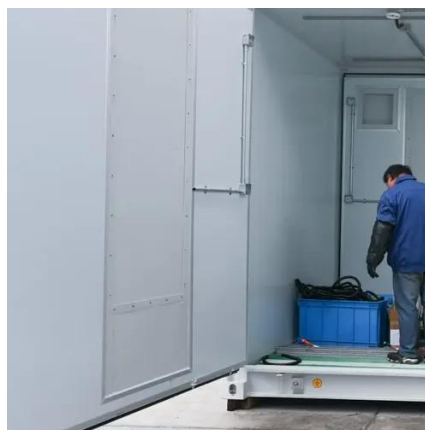


### **Huawei's Smart String & Grid**



## Forming ESS Triumphs in Extreme ...

In conventional ESSs, thermal runaway in a single cell often leads to the release of combustible gases into the container, resulting in fire or explosion. However, in Huawei's Smart ...



## [Huawei's Smart String & Grid Forming ESS](#)

Huawei Digital Power's Smart String & Grid Forming Energy Storage System (ESS) has successfully passed an extreme ignition test in the presence of customers and DNV, conducted ...



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